

Please revise the claims as follows:

--1.-13. (canceled)

14. (withdrawn) A phosphorylated protein fragment in a form isolated from other proteins having a size greater than 100 kDa, wherein the protein is between 20 and 80 kDa in size and is selected from the group consisting of a fragment of phosphorylated SEQ. ID NO. 1 in a form in which at least a tyrosine of SEQ. ID NO. 1 has been phosphorylated and a fragment of phosphorylated SEQ. ID NO. 2 in a form in which at least a tyrosine of SEQ. ID NO. 2 has been phosphorylated.

15. (withdrawn) An antibody capable of binding to at least two of the claim 1 proteins, at least one of which is not phosphorylated, and at least one of which is phosphorylated.

16. (withdrawn) A kit for monitoring whether an animal is experiencing a disease and/or adverse condition involving smooth muscle cell abnormalities, the kit comprising a claim 15 antibody.

17. (canceled)

18. (new) A method of monitoring whether a human that has received a transplanted kidney is experiencing kidney transplant rejection, the method comprising:

analyzing a sample of the kidney of the human for the presence of a marker protein that is selected from the group consisting of:

(a) phosphorylated protein which is SEQ. ID NO. 1 in a form comprising phosphorylated tyrosine; and

(b) protein which is SEQ. ID NO. 1;

wherein the analyzing comprises:

contacting the sample with a labeled antibody that specifically binds to said marker protein;

detecting the extent to which the labeled antibody becomes bound to the marker protein as a result thereof; and

comparing the amount of marker protein bound to the labeled antibody to a known standard to diagnose whether the human is experiencing kidney transplant rejection, whereby the method is conducted such that if no such marker protein is thereby detected in the sample, or if the amount of marker protein thereby detected in the sample is below a known standard level, such a result would be indicative of kidney transplant rejection.

19. (new) A method of monitoring whether a human that has received a transplanted kidney is experiencing kidney transplant rejection, the method comprising:

analyzing a sample of the kidney of the human for the presence of a marker protein that is phosphorylated protein which is SEQ. ID NO. 1 in a form comprising phosphorylated tyrosine;

wherein the analyzing comprises contacting a homogenate of the sample with a labeled anti-phosphotyrosine antibody to detect the extent to which the labeled antibody becomes bound to a fragment that is about 55kDa in size as a result thereof;

whereby if such about 55kDa sized fragment is not thereby detected such a result is indicative of kidney transplant rejection.--